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Asia

Cariflex™ IR0401 SU Latex

Data Document

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**Description**

Cariflex IR0401 SU Latex is a water-based emulsion of an anionically polymerized polyisoprene with a high cis-1,4 content, high molecular weight and a high linearity. The emulsion also contains a non-staining antioxidant (typical level of 0.1% mass on solids) and a surfactant.

Cariflex IR0401 SU Latex is a synthetic rubber emulsion and can be used as an alternative to natural rubber latex in a variety of applications ranging from dipping to extrusion. It offers specific advantages such as light color, consistency and low levels of impurities.

Cariflex IR0401 SU Latex is made under Good Manufacturing Practices, but additional requirements may apply to food contact, pharmaceutical and medical device applications using this material. Reference should always be made to the local legislation regulating these applications.

**Sales Specifications**

Property	Test Method	Units	Sales Specification Range	Notes
Solids	SIR -1	%	≥ 63.0	
pH	SIR -2		9.5 TO 12.0	
Brookfield Viscosity	SIR -3	mPas	≤ 150	
Median Particle Size (volume)	SIR -4	microns	≤ 1.80	
T.A.M.C. at Drumming	USP 24	CFU/ml	≤ 1,000	

**Typical Properties** (These are typical values and may not routinely be measured on finished product)

Property	Test Method	Units	Typical Value	Notes
Logarithmic Inherent viscosity	KM33	dl/g	6.0 - 7.6	a
Limiting Viscosity Number	KM33	dl/g	6.7 - 9.2	a
Antioxidant	KM31	%m	0.1	
Gel Content		%	0	a
Molecular Weight	KM49	g/mol	1500000 - 2000000	a
1,4-Cis content (NMR)	KM34	%m	≥ 82	a
1,4-Cis content (FTIR)	KM34	%m	≥ 90	a
Ash	KM35	%m	< 0.1	a
Odor			neutral	b
Appearance			milky white	b
Specific Gravity	ISO 2781		0.93	b
Freezing Temperature		dC	0	b
<b>a</b>	on Raw Polymer			
<b>b</b>	on Finished Latex			